

File No. ....

T. 6 S. R40 E.

DUPLICATE

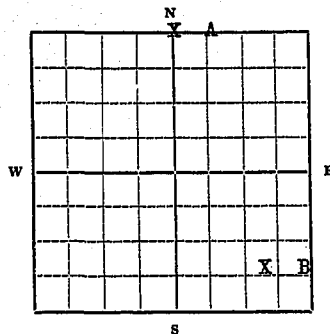
County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1964  
STATE ENGINEER

1. Ruth W. Jordan, of Kirby  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 29 T8S R40E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Date not available, used about 8 or 9 months every year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) A--2 GPM  
B--1 G.P.M.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Natural flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater No well, both springs have been developed
8. The depth of water table Ground level
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater No well
10. The estimated amount of groundwater withdrawn each year A--1,000,000 Gal  
B--500,000 Gal
11. The log of formations encountered in the drilling of each well if available No well
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Ruth W. Jordan

Date 12/26/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

21745

206414

INSTRUMENT  
FILE NO.

Big Horn

Big Horn

STATE OF MONTANA  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this  
DEC 30 1963 day of

A. D. 19

at 1:45 o'clock P.M.

*Thompson E. Cox*  
County Recorder

By *Quayle Sample* Deputy

Big Horn

Big Horn

02

02

Big Horn

CIVIL ENGINEER

X V

X B

500 102 402

No further action

D-1000  
V-1000

upland 8. or 0 mounds early 1963.  
D-1000-1000-1000-1000

2000 102 402

The title of water right is **Groundwater**

General description of the water right is **water rights have been developed for**  
The title of water right is **Groundwater**

water

water right is **water rights have been developed for**  
The title of water right is **Groundwater**

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The title of water right is **Groundwater**

File No. ....

DUPLICATE

T. 35 S. R. 40 E.

County Big Horn

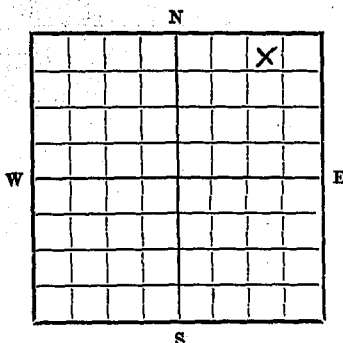
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
MAR 21 1963

STATE ENGINEER

1. Ruth W. Jordan, of Kirby,  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 29 T. 35 S. R. 40 E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock water in pasture
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 6-29-52  
Used 8 to 10 months every year since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 GPM
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 6-29-52
8. The depth of water table 50'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
4 1/2" #7 casing  
72' deep
10. The estimated amount of groundwater withdrawn each year 600,000 gall
11. The log of formations encountered in the drilling of each well if available  
0-28 Sandy clay 28-58 Coal & water  
58-66 Sandy shale 66-67 Shell  
67-72 Light shale
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Ruth W. JordanDate March 15th, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

3988

STATE OF MONTANA }  
County of Big Horn } ss.

The within instrument was filed in my office at Hardin, Montana, this

MAR 20 1963

day of-

A. D. 19

6 o'clock P.M.

**County Recorder**

### Deputy

(If filled for information, give the address and description of the building.)

Res. name) \_\_\_\_\_  
Address) \_\_\_\_\_  
City or town) \_\_\_\_\_ State) \_\_\_\_\_

File No. ....

DUPLICATE

T. 6 S. R. 40 E.

County. Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

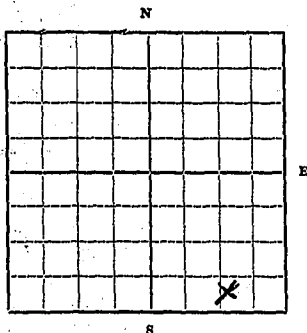
RECEIVED  
MAR 21 1963

STATE ENGINEER

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Ruth W. Jordan of Kirk  
(Name of Appropriator) (Address) (Town)

County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 30 T6S R40E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Used for family, in house and yard; occasionally for stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 26, 1952; continuous use ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 GPM

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 6-20-52 6-28-52

8. The depth of water table 22' and 30'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

4 1/2" #7 casing

111' deep

10. The estimated amount of groundwater withdrawn each year 5000,000 gall

11. The log of formations encountered in the drilling of each well if available

0-22 Sandy soil 22-27 Quicksand & water

27-58 Grey shale 58-111 Sand rock

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

None

Signature of Owner

Ruth W. Jordan

Date March 18th, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

3990

203110

RECEIVED  
MAR 10 1963

STATE OF MONTANA } ss.  
County of Big Horn }

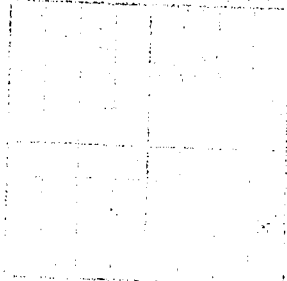
The within instrument was filed  
in my office at Hardin, Montana, this

MAR 20 1963 day of

A.D. 19

at 3:00 o'clock P.M.

*[Signature]*  
County Recorder  
By *[Signature]* Deputy



2. The County of Big Horn, Montana, is hereby authorized to execute and deliver to the State of Montana, for the purpose of recording the same, a certificate of recording of the within instrument, which certificate shall be in the following form: To wit: The County of Big Horn, Montana, do hereby certify that the within instrument was duly recorded in my office on the 20th day of March, 1963, at 3:00 o'clock P.M.

GW

File No. ....

DUPLICATE

T. 6. S. R. 40. E

County Big Horn

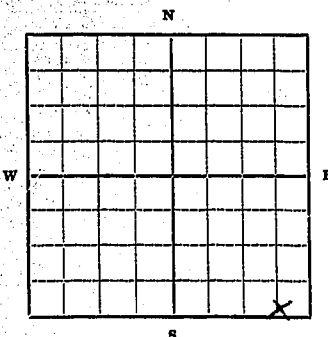
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
MAR 21 1963

STATE ENGINEER

1. Ruth W. Jordan, of Kirby,  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec 30 T6S R 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock water in and near corral
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 6-28-52  
Continuous use ever since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 GPM
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 6-23-52 6-28-52
8. The depth of water table 13' & 80'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
4 1/2" 77 casing  
93' deep
10. The estimated amount of groundwater withdrawn each year 365,000 gall
11. The log of formations encountered in the drilling of each well if available  
0 - 18 Red Shale 18 - 22 Gravel & water  
22-40 Sandy shale 40 - 92 Sand rock
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
None

Signature of Owner Ruth W. JordanDate March 18th, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

3989

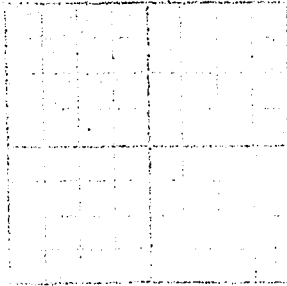
203109

STATE OF MONTANA }  
County of Big Horn } ss.

The within instrument was filed  
in my office at Hardin, Montana, this  
MAR 20 1963 day of

9:55 A. D. 19 9 o'clock P. M.

By Harry E. Coy County Recorder  
Quayle Deputy



File No. ....

T. 8 S. R. 40 E.

DUPLICATE

County Big Horn

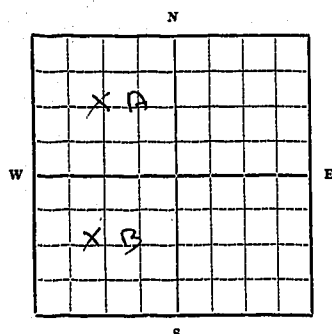
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Ruth W. Jordan of Kirby  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1900, as follows:



1/4 Sec 30 T8S R40E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Used since purchase of ranch, 1941, from 6 to 12 months each year, varying with year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) A-12 G.P.M.  
B-5 G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof No irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dates not available--both springs have had a great deal of work done by machine, both are tanked out

8. The depth of water table Ground level

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater No well

10. The estimated amount of groundwater withdrawn each year A-6,300,000 Gal  
B-2,300,000 Gal

11. The log of formations encountered in the drilling of each well if available No well

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Ruth W. Jordan

Date 12.26.63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

21746

206415

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this  
DEC 30 1963, day of

at 1:47 o'clock P.M. A.D. 19

Harry E. Cox  
County Recorder

By Ruby Wemple Deputy

RECORDED  
INDEXED  
DEC 31 1963  
COUNTY ENGINEER

GW-4

File No. ....

DUPLICATE

T. 6 S. R. 40 E

County Big Horn

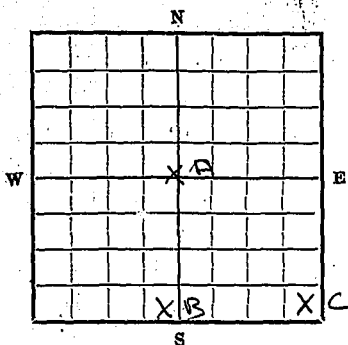
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
JAN 6 1962  
STATE ENGINEER

1. Ruth V. Jordan, of Kirby  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. 31 T6 S R40 E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Water has been used from first owning land, about 6 to 9 months each year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) A—4 G.P.M. D—4 G.P.M.  
C—2 G.P.M.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal A, B, C, natural flow, water runs out by itself
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater A, B, C, have all had work done on them with back-hoe, and other tractor work. No dates available, have been worked on at different times, several years.
8. The depth of water table Ground level
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater No well
10. The estimated amount of groundwater withdrawn each year A—2,000,000 gal. B—2,000,000 " C—1,000,000 "
11. The log of formations encountered in the drilling of each well if available No drilling
12. See other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Ruth V. Jordan

Date 12/26/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

21748

206417

Duplicate

File No.

STATE OF MONTANA ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

DEC 30 1963

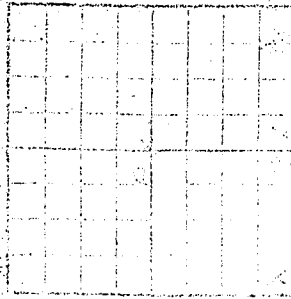
day of

A. D. 19

at 1:35 o'clock P.M.

County Recorder

Deputy



1. The depth of water table

2. The depth of water table

RECORDED

File No. ....

DUPLICATE

T. 8. S. R. 40. E.

County. Big Horn

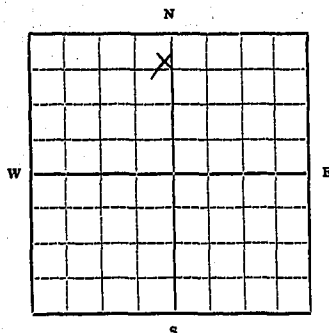
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1963

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Ruth W. Jordan, of Kirby, (Name of Appropriator) (Address) (Town)

County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 22, T. 65, R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based  
Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
Date not available, been in use many years, all year

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
2,000,000 G.P.M.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
No irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
No well, spring has been dug out and piped into tank

8. The depth of water table  
Ground level

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
No well

10. The estimated amount of groundwater withdrawn each year  
1,000,000 Gal.

11. The log of formations encountered in the drilling of each well if available  
No well

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Ruth W. Jordan

Date 12/26/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

21747



File No.

DUPLICATE

T.

County

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 8 1964

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

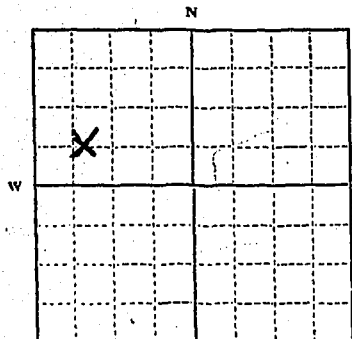
Date of Appropriation of Groundwater About 1900  
Owner The Canyon Creek Little Co. Address Birney, Mont 172

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Comes from spring



SW 1/4 Sec. 33 T. 6S R. 40 E

Indicate point of appropriation and place of use, if possible.

estimate approximate lengths of periods of use \_\_\_\_\_

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent About 30 gals per minute

Signature of Owner

The Canyon Creek Little Co.  
by Albert

Date Dec. 28, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

26782

206491

STATE OF MONTANA }  
County of Big Horn } ss.

The within instrument was filed  
In my office at Hardin, Montana, this

DEC 31 1963 day of

                     A. D. 19

at 8 42 o'clock A. M.

Harvey E. Cox  
County Recorder

By Lochrie Smith Deput



GW:

File No. ....

DUPLICATE

*Probably, sample with?  
It not should be from 4*

T 7 S R 32 E

County Big Horn

23

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
FEB 19 1962  
STATE ENGINEER

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater Many years ago  
I have known of this for 40 yrs

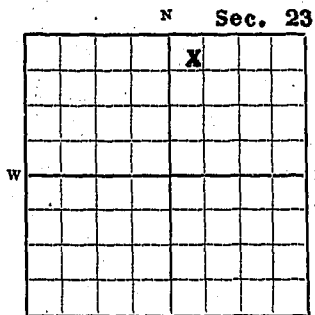
Owner Knowles Land Co. Address 2903 Roman Dr.  
Gladys E Knowles, Pres. Billings, Mont

Contractor (if any) .....

Address of Contractor .....

Date Started ? Date Completed ?

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This is a spring which has been used for a long time, now is fixed with rocks, and a pipe conveys water to houses for domestic use.



Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use .....

NW 1/4 Sec. 23 T 7 S R 32 E

Indicate point of appropriation and place of use, if possible.

I have no idea when this spring was developed and those who developed it are deceased.

Signature of Owner Knowles Land Co.  
Gladys E Knowles

Date Pres.  
Feb. 9, 1962

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

1496

198046

STATE OF MONTANA }  
County of Big Horn } ss:

The within instrument was filed  
in my office at Hardin, Montana, this

FEB 16 1962 day of

                     A. D. 19        

at 11:15 o'clock A.M.

Harvey E. Carl  
County Recorder

By Rudolph Wemple Deputy

GW 3:

Approved Stock Form—State Publishing Co., Helena, Montana 59223

File No. \_\_\_\_\_

DUPLICATE

T. \_\_\_\_\_

County \_\_\_\_\_

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater \_\_\_\_\_

Owner \_\_\_\_\_ Address \_\_\_\_\_

Contractor (if any) \_\_\_\_\_

Address of Contractor \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Continuous flowing stream

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.

Continuous use

Indicate point of appropriation and place of use, if possible.

Signature of Owner \_\_\_\_\_

Date \_\_\_\_\_

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

21762

206431

STATE OF MONTANA }  
County of Big Horn } ss.

The within instrument was filed  
in my office at Hardin, Montana, this

DEC 30 1963 day of

                     A. D. 19        

at 3:05 o'clock P.M.

Harry E. Calk  
County Recorder

By Ruby Wengler Deputy

71  
1963

RECEIVED  
COUNTY RECORDER  
HARDIN MONTANA

Not a valid recording of any instrument unless the same is properly recorded in the public records of the State of Montana.

# GROUNDWATER INDEX

Page 1 of 1

County Big Horn Twp. 75 Rge. 33 E

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File No. ....

DUPLICATE

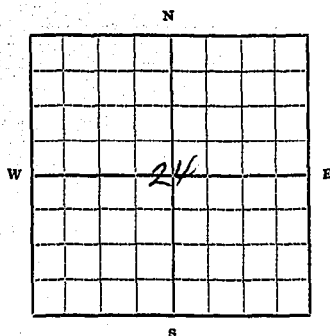
508-1000

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

T 7<sup>S</sup> R 33<sup>E</sup> 24  
County Big Horn  
RECEIVED  
JAN 20 1964  
STATE ENGINEER

1. Pell Standish, of Lodgepole Pine  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 1/4 Sec. 24 T. 7S R. 33E A. M.M.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based house use  
AND STOCK WATER
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well was dug in 1957
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT USED FOR IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1957
8. The depth of water table 8 foot
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 8 FEET DEEP, SIX INCH CASING
10. The estimated amount of groundwater withdrawn each year about 300 gal per day
11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NONE

Signature of Owner Pell Standish

Date Dec 31 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

33,506

206783

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

JAN 8 1964 day of

A. D. 19

at 1:50 o'clock P.M.

Henry E. Carl  
County Recorder

By Paul W. Sample Deputy

33/Jan  
133

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature

File No. ....

TRIPPLICATE

T 7<sup>S</sup> R 33<sup>E</sup> 24  
County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

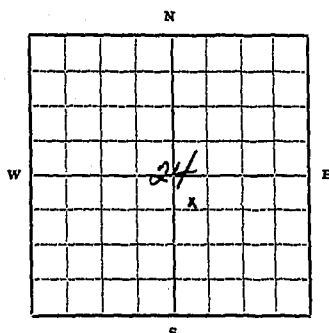
RECEIVED  
JAN 20 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Dell Standish, of Lodge Grass  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Sec. 24 T. 75 R. 33 E. P.M.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based house use  
and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well was dug in 1959  
and been in use every since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 75 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT USED FOR IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1959
8. The depth of water table 14 foot
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 FEET DEEP, SIX INCH DRAIN
10. The estimated amount of groundwater withdrawn each year about 350 gal per day
11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. NONE

Signature of Owner Dell Standish  
Date Dec 31 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

206784

STATE OF MONTANA { ss:  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

JAN 8 1964 day of

\_\_\_\_\_ A. D. 19

at 1:50 o'clock P.M.

Harry E. Cap  
County Recorder

By Ruby Temple Deputy

File No. ....

DUPLICATE

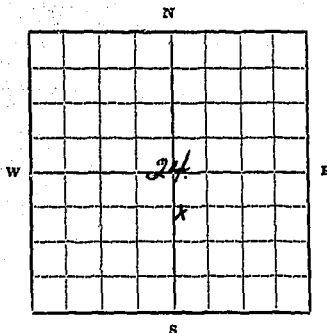
T. 75 R. 33 E. 24  
County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 20 1964

Declaration of Vested Groundwater Rights STATE ENGINEER  
(Under Chapter 237, Montana Session Laws, 1961)

1. Dell Standish, of Lodge Grass  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 24 T. 75 R. 33 E. 24

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based House use  
and STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well was dug in 1957  
and been in use every since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gal per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NOT APPLICABLE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1957

8. The depth of water table 8 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 8 FEET DEEP, SIX INCH CASING

10. The estimated amount of groundwater withdrawn each year about 300 gal per day

11. The log of formations encountered in the drilling of each well if available  
NOT AVAILABLE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NONE

Signature of Owner

Dell Standish  
Date Dec. 31 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

33.508

206785

STATE OF MONTANA } ss:  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this  
JAN 8 1964 day of

A. D. 19

at 2:00 o'clock P. M.

*Harry E. Carl*  
County Recorder

By *Ruby Wemple* Deputy

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*Handwritten notes and signatures in the bottom left margin.*

*Handwritten note in the bottom center margin.*

*Handwritten notes in the middle left margin.*

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File No. ....

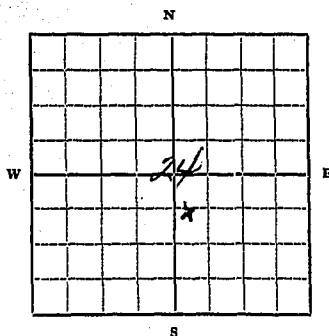
DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 7<sup>9</sup> R. 33  
County Big Horn  
**RECEIVED**  
JAN 20 1964

**Declaration of Vested Groundwater Rights** STATE ENGINEER  
(Under Chapter 237, Montana Session Laws, 1961)

1. Dell Standish, of Lodge Grass  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 24 T. 7S R. 33 P. 1M. 1

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based For house  
use and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been in 1936  
and in an every sense
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 1/2 gal in a minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936
8. The depth of water table 6 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater SIX FEET DEEP, SIX INCH CASING
10. The estimated amount of groundwater withdrawn each year about 300 gal per Day
11. The log of formations encountered in the drilling of each well if available NOT AVAILABLE
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NONE

Signature of Owner Dell Standish

Date Dec 31 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

33,505

206782

STATE OF MONTANA } ss:  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

JAN 8 1964 day of

A. D. 19

at 1:45 o'clock P. M.

Harry E. Cap  
County Recorder

By Randy W. Campbell Deputy

✓  
8-2-64  
R. W. Campbell

*[Handwritten signatures and notes]*

*[Handwritten notes]*

*[Handwritten notes]*

*[Handwritten notes]*

*[Handwritten signature]*

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File No. ....

T. 7S. R. 33

DUPLICATE

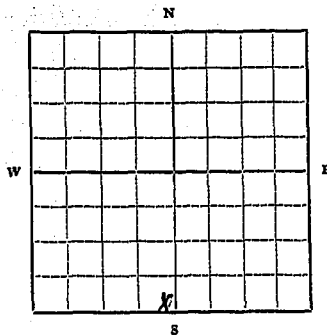
County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 8 1964

Declaration of Vested Groundwater Rights STATE ENGINEER  
(Under Chapter 237, Montana Session Laws, 1961)

1. Carl & Harold T. ANDERSON (Name of Appropriator) Lodge Grass, Mont. (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 34 T. 7S. R. 33

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Human Livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1945 Constant
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof NONE
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1945
8. The depth of water table 2
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater pipe standard
10. The estimated amount of groundwater withdrawn each year 2
11. The log of formations encountered in the drilling of each well if available None
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Harold T. Anderson

Date 1/2/64

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

26985

206711

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this

JAN 2 1964 day of

at ~~4:15~~ 4:30 o'clock P. M. A. D. 19

By Harry E. Galt County Recorder  
Ruby W. Galt Deputy

File No. ....

QUADRUPLICATE

T 7 S R 33

County Big Horn

R

JAN 8 1964

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1885

Owner Karol & Carl Anderson Address Long House, Mont

Contractor (if any) None

Address of Contractor .....

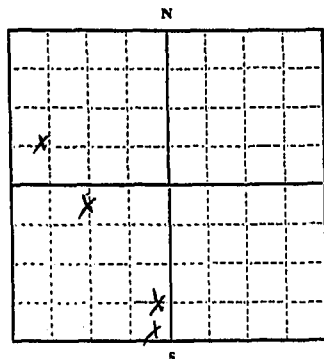
Date Started ..... Date Completed .....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

Natural Processes

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use constant



1/4 Sec 34 T 7 S R 33

Indicate point of appropriation and place of use, if possible.

Signature of Owner Karol & Carl Anderson

Date 1/2/64

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triuplicate to the Montana Bureau of Mines and Geology and Quaduplicate for the Appropriator.

26984

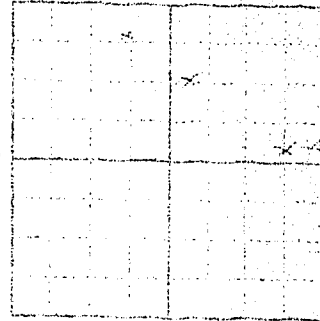
206710

QUADRUPPLICATE  
File No.

STATE OF MONTANA  
County of Big Horn

The within instrument was filed  
In my office at Hardin, Montana, this  
JAN 2 1964 day of

at 4:25 o'clock P.M.  
County Recorder  
By Deputy



and place of use. It is hereby  
certified that the above  
instrument is a true and correct  
copy of the original on file in  
the office of the County Recorder.

Approximate length of bridge of use  
used to measure or estimate such amount. It is hereby  
certified that the above instrument is a true and correct  
copy of the original on file in the office of the County Recorder.



File No. ....

DUPLICATE

T. 7, So. R. 34 E.

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

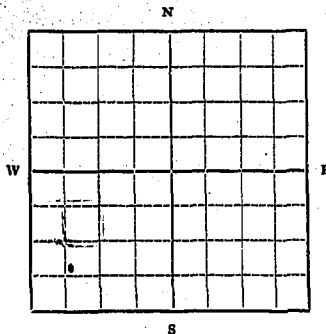
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Esp. & Sons, Inc. of Lodge Grass,  
(Name of Appropriator) (Address) (Town)

County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW Sec. 1 T. 7 S. R. 34 E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Domestic  
and stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1940

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals. per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1940

8. The depth of water table 40 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 14 in. pipe inside 4 in. casing

10. The estimated amount of groundwater withdrawn each year 50,000 gals.

11. The log of formations encountered in the drilling of each well if available Not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No records

Esp & Sons, Inc.

Signature of Owner By *Raymond K. Esp* Vice Pres.

Date Dec. 31st, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state. otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

26922



File No. ....

DUPLICATE

T. 7. S. 34. E.

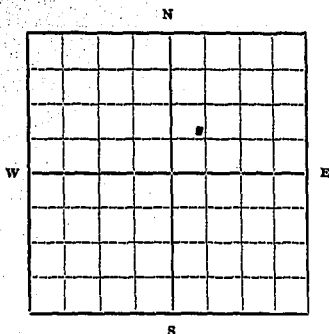
County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Declaration of Vested Groundwater Rights STATE ENGINEER  
(Under Chapter 237, Montana Session Laws, 1961)

1. Esp & Sons, Inc., of Lodge Grass,  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 1 T. 7 S. R. 34 E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic and stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1945
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1945
8. The depth of water table 60 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 1 1/2 in. pipe inside 4 in. casing
10. The estimated amount of groundwater withdrawn each year 40,000 gals.
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No records

Esp & Sons, Inc.

Signature of Owner By Harry H. Esp Vice Pres.

Date Dec. 31st, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

26921

206635

RECEIVED  
DEC 31 1963

STATE OF MONTANA ss.  
County of Big Horn

The within instrument was filed  
in my office at Helena, Montana, this  
DEC 31 1963 day of

at 3:08 o'clock P.M. A.D. 19

*Harry E. Cox*  
County Recorder  
By *Burby Sample* Deputy

File No. ....

DUPLICATE

T. 7S R. 34E

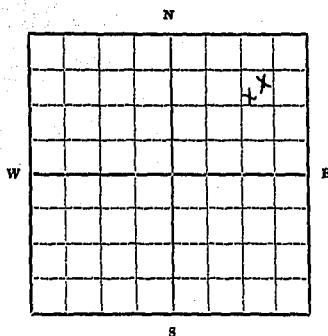
County Big Horn

**STATE OF MONTANA**  
**ADMINISTRATOR OF GROUNDWATER CODE**  
**OFFICE OF STATE ENGINEER**

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. Harry L. Wilson, of Lodge Grass  
 (Name of Appropriator) (Address) (Town)  
 County of Big Horn State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 10 T. 7S R. 34 E

Indicate point of appropriation  
 and place of use, if possible.  
 Each small square represents 10  
 acres.

2. The beneficial use on which the claim is based household, livestock, irrigation.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 1948 - has been used continually ever since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 3 acres - NE 1/4, Sec. 10; T. 7S; R. 34 E. Harry L. Wilson
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric deep well pumps - 2 wells - NE 1/4 NE 1/4 Sec. 10; T. 7S; R. 34E
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater well no. 1 started & completed in Aug. 1948  
well no. 2 started & completed in May 1950
8. The depth of water table 8 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
well no. 1 drilled to depth of 42 ft. with 6" casing.  
well no. 2 drilled to depth of 330 ft. with 6" casing.
10. The estimated amount of groundwater withdrawn each year 250,000 gal. a year
11. The log of formations encountered in the drilling of each well if available 0' - 10' soil; 10' - 18' gravel; 18' - 26' light grey shale; 26' - 130' dark grey shale; 130' - 220' light grey shale; 220' - 295' niabera shale; 295' - 330' dark marine shale.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record most of the water came in at the dark grey shale.

Signature of Owner Harry L. Wilson

Date Dec. 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

2616

206525

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this  
DEC 31 1968 day of

at 9:54 A. D. 19  
o'clock P. M.

Harry E. Cap  
County Recorder

By Richard L. Smith Deputy

File No. ....

T. 7. S. R. 34E

DUPLICATE

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.....1950.....

Owner Harry L. Wilson..... Address Lodge Grass, Mont.

Contractor (if any) .....none.....

Address of Contractor .....not applicable.....

Date Started.....1949..... Date Completed.....1950.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable depth to water 3 ft. - excavation

dug 3' deep, 3' wide, 30 ft. long - cement blocks used on side walls - cement slabs for cover -

seepage water piped to underground galvanized

storage - water then piped to stock tanks in 2 separate pastures.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use one gal. a minute

developed - can be measured as it flows from pipe -

near entire amt. used during winter months to water

livestock - only partially used in summer.

Signature of Owner Harry L. Wilson

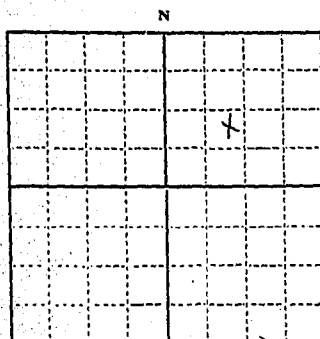
Date Dec. 31, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.



NE 1/4 Sec. 10 T. 7. S. R. 34 E  
Indicate point of appropriation  
and show its use, if possible.

26815

RECEIVED

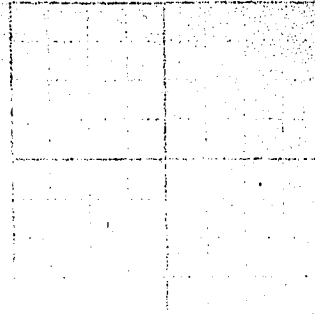
206524

NOTICE

STATE OF MONTANA }  
County of Big Horn } ss.  
The within instrument was f  
In my office at Hardin, Montana, 1.  
DEC 31 1962 de

at 9:22 o'clock A.M.

*Harry E. Carl*  
County Recorder  
By *Geddie Smith* Deputy



any place to use it except  
for the purpose of recording

Platmap of Opa...

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner KENNETH SHICK

Address LOPPE 6825

MONTANA

Date well started AUG 10, 1972

completed AUG 11, 1972

For Administrator's Use

File 239297

MARCH 5, 1973

GW 2:35 p.m.

Type of well DRILLED

(Dug, driven, or drilled)

Equipment used CHURN DRILL

(Churn drill, or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Gage ☐ Gen/Lawn ☐

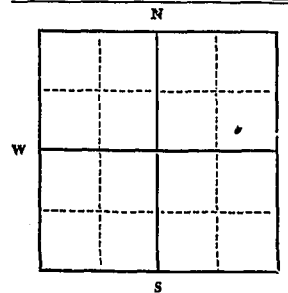
\*Describe

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
6"	6" 19'	0'	21'	Perforated Screen 1' ABOVE SHAPE
4"	R.O.C.	0'	55'	Perforated Screen 20' 4' SLOTS 13' TO 6" LONG



N.E. 1/4 SE 1/4 Sec. 15  
T. 7. R. 34  
S

Static water level 20 ft.\*  
Pumping water level 30 ft.\*  
at 30 gallons per minute,  
measured 30 minutes after pumping began.

\*Measured from ground level.  
Well developed by DRILLER  
for 3 hours.

Power        Pump        HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature [Signature]

Driller's Address 602 West 2nd St

Hardin, Montana LICENSE NO. 231

County Big Horn

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
0'	4' SOIL
4'	10' CLAY
10'	21' GRAVEL - SAND - LITTLE CLAY
21'	15' GRAY SHALE
36'	55' LIGHT SAND - MISTOPE
55'	SD 6 P.M.

55' Show exact depth of bottom

52,665

County of Big Horn } ss.  
The within instrument was filed  
in my office at Hardin, Montana, this  
day of

MAR 5 1973 A.D. 19

at 2:30 o'clock M.

Joepe Liasert  
County Recorder  
By Dorothy Jones Denise

52,661

239297

STATE OF MONTANA } ss.  
County of Big Horn }

The within instrument was filed  
in my office at Hardin, Montana, this

\_\_\_\_\_ day of

MAR 5 1973 A. D. 19

at 236 o'clock P. M.

*Joyce Lippert*

County Recorder

By *Dorothy Jones* Deputy

48024

File No. ....

DUPLICATE

T. 7 S. R. 34 E.

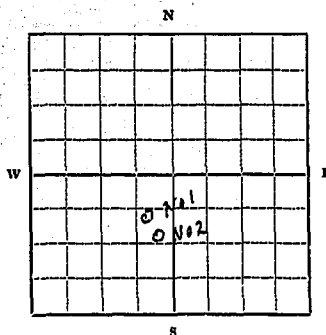
County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

R  
JAN 8 1964  
STATE ENGINEER

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

1. Florence M. Wells, of Lodge Grass  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NE 1/4 SW 1/4 Sec 21 T. 7 S. R. 34 E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Spring No. 1 stock water Spring No. 2 stock water and domestic
3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1915 and continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) varies with season
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Natural flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not applicable
8. The depth of water table water table exposed to point of spring
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater not applicable
10. The estimated amount of groundwater withdrawn each year varies with season
11. The log of formations encountered in the drilling of each well if available not applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not applicable

Signature of Owner

Florence M. Wells

Date January 2, 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

26981

206705  
~~206704~~

STATE OF MONTANA } ss:  
County of Big Horn }  
The within instrument was filed  
in my office at Hardin, Montana, this  
JAN 2 1964 day of

at 3:40 A.D. 19  
o'clock P.M.

*Harry E. Cat*  
County Recorder  
By *Deborah Temple* Deput

File No. ....

DUPLICATE

T 72 R 34

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

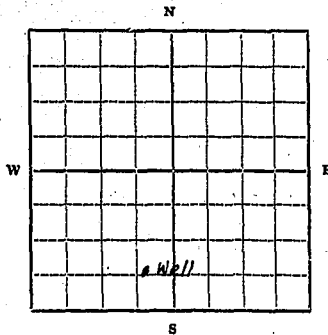
(Under Chapter 237, Montana Session Laws, 1961)

R  
JAN 8 1964

STATE ENGINEER

1. Florence M. Wells, of Lodge Grass  
(Name of Appropriator) (Address) (Town)

County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 SW 21 T. 7S R. 34 E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based domestic  
irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1924 and continuous  
use

4. The amount of groundwater claimed (in miner's inches or gallons per minute) varies with use

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof garden irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater prior to 1924

8. The depth of water table 15 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 3 feet diameter with 6 inch casing

10. The estimated amount of groundwater withdrawn each year varies with use

11. The log of formations encountered in the drilling of each well if available not applicable

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not applicable

Signature of Owner Florence M. Wells

Date January 2, 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

26980

206704

STATE OF MONTANA }  
County of Big Horn } ss.

The within instrument was filed  
in my office at Hardin, Montana, this  
JAN 2 1907 day of

at 3:35 o'clock P.M. A. D. 19

Harry E. Carl  
County Recorder  
By Rudolph Tengel Deput

File No. ....

DUPLICATE

T. 7 S. R. 34 E

County Big Horn

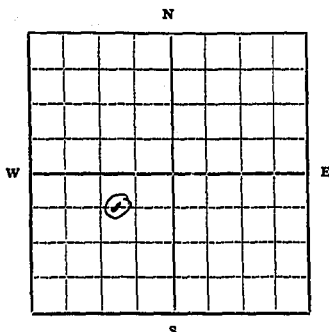
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 8 1964

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Florence M. Wells, of Lodge Grass  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  Sec. 34 T. 7 S. R. 34 E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1915 and continuous use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) varies with season
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not applicable
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal natural flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater not applicable
8. The depth of water table exposed to point of spring
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater not applicable
10. The estimated amount of groundwater withdrawn each year varies with season
11. The log of formations encountered in the drilling of each well if available not applicable
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. not applicable

Signature of Owner: Florence M. Wells

Date: January 2, 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

26979

206703

STATE OF MONTANA }  
County of Big Horn }

The within instrument was filed  
In my office at Hardin, Montana, this  
JAN 2 1964 day of

A. D. 19

at 3:30 o'clock P. M.

*Harry E. Cap*  
County Recorder

By *Reddy Wemple* Deputy

# GROUNDWATER INDEX

Page 1 of 1

County Big Horn Twp. 75 Rge. 3<sup>rd</sup> E

[illegible]

File No.

DUPLICATE

T. 7 So. R. 35 E.

County Big Horn

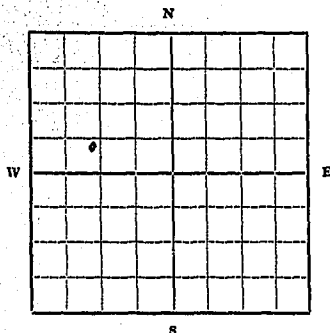
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Esp & Sons, Inc., of Lodge Grass,  
(Name of Appropriator) (Address) (Town)  
County of Big Horn State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



See Lot 5 Sec 6 T. 7 S. R. 35 E.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Domestic and stockwater.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1955

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gals. per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not applicable.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1955

8. The depth of water table 40 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 14 in. pipe inside 4 in. casing.

10. The estimated amount of groundwater withdrawn each year 60,000 gals.

11. The log of formations encountered in the drilling of each well if available Not available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No records.

Esp & Sons, Inc.

Signature of Owner By Harry R. Esp Vice Pres.

Date Dec 31st, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

26923

206637

STATE OF MONTANA } ss.  
County of \_\_\_\_\_

Instrument was filed  
in \_\_\_\_\_ Montana, this  
**DEC 31 1969** day of \_\_\_\_\_

at **3:10** o'clock **P.**M.

*Henry I. Cox*  
County Recorder  
By *Betty W. Kemp* Deputy

File No. ....

DUPLICATE

Seven South <sup>14</sup>Thir <sup>23</sup>five East  
T. 7 S. R. 35 E  
County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

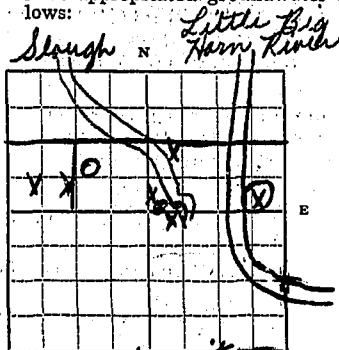
Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 20 1962

STATE ENGINEER

1. **Jack Laughery**, of **Lodge Grass**  
(Name of Appropriator) (Address) (Town)

County of **Big Horn** State of **Montana**  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



⊙ = pumping site  
X = well

1/4 Sec. T. R.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based **livestock, irrigation and domestic use**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been **designated springs have been in continuous and beneficial use on and before 1929. designated well has been in continuous and beneficial use on and before 1940.**

4. The amount of groundwater claimed (in miners inches or gallons per minute) **Designated springs 50 gallons per min. designated well - 50 gallon per minute designated pumping sites - 2000 gallons per minute each**

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof **NENE, S 1/2 N 1/2 Sec. 23, S 1/2 Sec. 14 T 75, R 35 E 520 acres - Jack Laughery**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal **Designated springs - natural flow designated well - electric pump designated pumping sites - diesel motors and pumps**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater **Designated well and pumping sites completed in 1940.**

8. The depth of water table **7 foot depth on well**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater **Designated well - 8" steel casing, 700 foot depth, electric pump designated pumping sites - 6" pump - diesel**

10. The estimated amount of groundwater withdrawn each year **Adequate water for 100 head cattle 400 head sheep, domestic use and irrigation water for 520 acres.**

11. The log of formations encountered in the drilling of each well if available

**None available**

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner *Jack Laughery*

Date **December 20, 1962**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

2845

201613

STATE OF MONTANA } ss.  
County of Big Horn

The within instrument was filed  
in my office at Hardin, Montana, this  
DEC 21 1982 day of

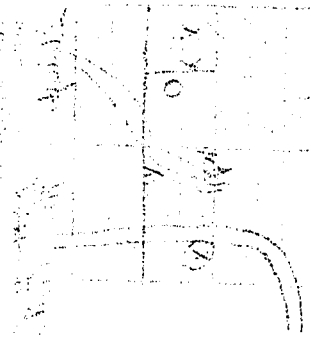
A. D. 19

at 4:30 o'clock P.M.

James E. Cas  
County Recorder

By Robert W. [Signature] Deputy

Hardin, Montana



100  
10

5. The depth of water table is four feet on well.

6. The water in the well is clear and free from any objectionable matter.

7. The water in the well is of good quality.

8. The water in the well is of good quantity.

9. The water in the well is of good taste.

10. The water in the well is of good color.

11. The water in the well is of good odor.

12. The water in the well is of good temperature.

13. The water in the well is of good hardness.

14. The water in the well is of good mineral content.

15. The water in the well is of good pH.

16. The water in the well is of good electrical conductivity.

17. The water in the well is of good total dissolved solids.

18. The water in the well is of good calcium content.

19. The water in the well is of good magnesium content.

20. The water in the well is of good sulfate content.

21. The water in the well is of good chloride content.

22. The water in the well is of good nitrate content.

23. The water in the well is of good nitrite content.

24. The water in the well is of good ammonia content.

25. The water in the well is of good phosphorus content.

26. The water in the well is of good potassium content.

27. The water in the well is of good sodium content.

28. The water in the well is of good iron content.

29. The water in the well is of good copper content.

30. The water in the well is of good zinc content.

31. The water in the well is of good manganese content.

32. The water in the well is of good cobalt content.

33. The water in the well is of good nickel content.

34. The water in the well is of good boron content.

35. The water in the well is of good selenium content.

36. The water in the well is of good molybdenum content.

37. The water in the well is of good vanadium content.

38. The water in the well is of good chromium content.

39. The water in the well is of good manganese content.

40. The water in the well is of good iron content.

41. The water in the well is of good copper content.

42. The water in the well is of good zinc content.

43. The water in the well is of good manganese content.

44. The water in the well is of good cobalt content.

45. The water in the well is of good nickel content.

46. The water in the well is of good boron content.

47. The water in the well is of good selenium content.

48. The water in the well is of good molybdenum content.

49. The water in the well is of good vanadium content.

50. The water in the well is of good chromium content.

File No. ....

DUPLICATE

Seven south ~~thirty~~ five ~~east~~ <sup>23</sup>

T. 7 S. R. 35 E.

County Big Horn

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 20 1962

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Jack Laughery

Lodge Grass

(Name of Appropriator)

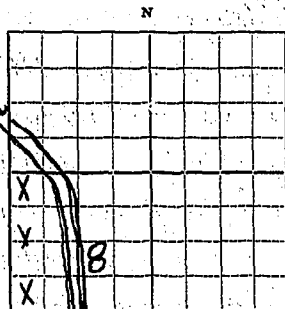
(Address)

(Town)

County of Big Horn

State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



X = springs  
O = wells

1/4 Sec. T. R.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based livestock, irrigation and domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous and since first use in 1929 and before 1929 and before 1929 designated well has been in continuous and beneficial use as of 1940 designated pumps have been in continuous and beneficial use as of 1940

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 250 gallons per minute for each well and spring designated gallons per minute designated pumping sites - 2000 gallon per minute each

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof irrigation from pumps in Section 23, T. 7 S. R35E.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Designated springs - natural flow designated wells - electric pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Designated wells completed 1929

8. The depth of water table 7 foot depth in wells

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater designated wells - 8" steel casing seven foot depth, electric pump

10. The estimated amount of groundwater withdrawn each year Adequate water for 100 head cattle 400 sheep, and domestic use

11. The log of formations encountered in the drilling of each well if available

None available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Jack Laughery

Date December 20, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quaduplicate for the Appropriator.

2844